

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,055,631 B2
APPLICATION NO. : 10/812577
DATED : June 6, 2006
INVENTOR(S) : Mitchell et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Column 20, lines 3-14,
Claim 12

Delete Claim 12

“12. A protective sleeve for installation around a drill pipe used to drill a wellbore in an underground formation, the protective sleeve preferentially contacting the I.D. of a well casing or bore when the drill pipe deflects off center in the casing or bore to protect the casing or bore from contact with the drill pipe or its tool joints during rotation of the drill pipe, and which the sleeve has a generally cylindrical configuration with an internal I.D. for contact with the O.D. of the drill pipe wherein the sleeve is a multi-component construction comprising an outer shell and a liner positioned within the shell wherein the shell has a hardness in the range of 75 to 123 Rockwell R and is greater than the liner.”

Signed and Sealed this

Seventh Day of November, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS
Director of the United States Patent and Trademark Office